



# MODEL W1781 21° FRAMING NAILER



## OWNER'S MANUAL

Phone: (360) 734-3482 • Online Technical Support: [tech-support@shopfox.biz](mailto:tech-support@shopfox.biz)

COPYRIGHT © JUNE, 2007 BY WOODSTOCK INTERNATIONAL, INC., REVISED DECEMBER, 2007 (JM)  
WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE OR FORM WITHOUT  
THE WRITTEN APPROVAL OF WOODSTOCK INTERNATIONAL, INC.

#9572BL Printed in China

## **WARNING!**

This manual provides critical safety instructions on the proper setup, operation, maintenance and service of this machine/equipment.

Failure to read, understand and follow the instructions given in this manual may result in serious personal injury, including amputation, electrocution or death.

The owner of this machine/equipment is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, blade/cutter integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

## **WARNING!**

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

# SAFETY

## WARNING

### For Your Own Safety Read Instruction Manual Before Operating This Equipment

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

#### DANGER

Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

#### WARNING

Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

#### CAUTION

Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

#### **NOTICE**

This symbol is used to alert the user to useful information about proper operation of the equipment.

## WARNING

### Safety Instructions for Pneumatic Tools

1. **KEEP ALL SAFETY DEVICES IN PLACE** and in working order.
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before operation.
3. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
4. **DO NOT USE IN DANGEROUS ENVIRONMENT.** Do not use pneumatic tools in damp or wet locations, or where any flammable or noxious fumes may exist. Keep work area well lighted.
5. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept at a safe distance from work area.
6. **MAKE WORKSHOP CHILD PROOF** by locking your shop and shutting off air valves.
7. **DO NOT FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE THE RIGHT TOOL.** Do not force tool or attachment to do a job for which it was not designed.
9. **DO NOT USE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**

# **WARNING**

## **Safety Instructions for Pneumatic Tools**

10. **USE PROPER AIR HOSE** for the tool. Make sure your air hose is in good condition and is long enough to reach your work without stretching.
11. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear a protective hair covering to contain long hair.
12. **ALWAYS USE SAFETY GLASSES.** Also use a face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
13. **WEAR APPROVED HEARING PROTECTION.** Air escaping from pneumatic tools can exceed safe exposure limits and may cause hearing damage with prolonged exposure.
14. **SECURE WORK.** Use clamps or a vise to hold work when practical. It is safer than using your hand and frees both hands to operate tool.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools lubricated and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **REDUCE THE RISK OF UNINTENTIONAL FIRING.** Do not carry tool with hand on trigger and always disconnect from air when not in use.
17. **DISCONNECT TOOLS** before servicing, changing accessories, or moving to another location.
18. **DO NOT OVERREACH.** Keep proper footing/balance at all times.
19. **USE THE RECOMMENDED ACCESSORIES.** Consult owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.
20. **CHECK FOR DAMAGED PARTS BEFORE USING.** Check for binding and alignment of parts, broken parts, part mounting, loose bolts, and any other conditions that may affect machine operation. Repair or replace damaged parts.
21. **NEVER LEAVE UNATTENDED TOOL CONNECTED TO AIR.** Disconnect the air hose and do not leave tool until it is relieved of any built up pressure.
22. **NEVER ALLOW UNTRAINED USERS TO USE THIS TOOL WHILE UNSUPERVISED.**
23. **IF YOU ARE UNSURE OF THE INTENDED OPERATION, STOP USING TOOL.** Seek formal training or research books or magazines that specialize in pneumatic tools.
24. **BE AWARE OF HOSE LOCATION WHEN USING PNEUMATIC TOOLS.** Hoses can easily become a tripping hazard when laid across the floor or spread out in a disorganized fashion.

## **WARNING**

### **Additional Safety Instructions for Nailers**

1. **HAND INJURIES:** Do not place your hands near the nail point of entry. A nail can deflect and tear through the surface of the workpiece, puncturing your hand or fingers.
2. **COMBUSTIBLE GASES:** Never connect the nailer to pressurized oxygen or other combustible gases as a power source. Only use filtered, lubricated, and regulated compressed air.
3. **SAFE HANDLING:** Never point the nailer at others! Do not keep the trigger pulled when loading fasteners, carrying, or holding tool. Carry the nailer only by the handle, never by any other part. Do not carry the nailer by the air hose. Disconnect the nailer from the air hose when going up and down ladders.
4. **CLEANING:** Never use gasoline or other flammable liquids to clean the nailer; vapors in the nailer will ignite by a spark and cause it to explode.
5. **HOSE USAGE:** Make sure your air hose is designed for the tool in use, is in good condition, and is long enough to reach your work without stretching. However, an overly long air hose in the work area may be a tripping hazard.
6. **OPERATING QUESTIONS:** If you are not sure about the intended operation, stop using the nailer. Seek formal training.
7. **MAINTENANCE:** Always disconnect air from the nailer when servicing or installing nails. During maintenance, a nailer connected to air may fire accidentally, causing serious personal injury.
8. **COMPRESSED AIR RATING:** Do not connect the nailer to compressed air that exceeds 120 PSI.
9. **CHECK VALVE:** Do not use a check valve or any other fitting that allows air to remain in the tool.
10. **MODIFICATION:** Do not modify this tool or bypass the safety nose mechanism.

## **WARNING**

Never point this nailer at yourself or another person! Always pay attention to the direction this nailer is pointed. Use this tool with respect and caution to lessen the possibility of operator or bystander injury. Ignoring this warning may result in serious personal injury.

## **CAUTION**

Nailer accidents routinely happen while moving the gun to another location, such as up ladders, to another room, or even another job site. Always disconnect the gun immediately after use and never transport the gun while connected to the air—even if the air compressor is disconnected from its power source!

# INTRODUCTION

## Woodstock Technical Support

This tool has been specially designed to provide many years of trouble-free service. Close attention to detail, ruggedly built parts and a rigid quality control program assure safe and reliable operation.

Woodstock International, Inc. is committed to customer satisfaction. Our intent with this manual is to include the basic information for safety, setup, operation, maintenance, and service of this product.

We stand behind our tools! In the event that questions arise about your tool, please contact Woodstock International Technical Support at (360) 734-3482 or send e-mail to: [tech-support@shopfox.biz](mailto:tech-support@shopfox.biz). Our knowledgeable staff will help you troubleshoot problems and process warranty claims.

If you need the latest edition of this manual, you can download it from <http://www.shopfox.biz>.

If you have comments about this manual, please contact us at:

Woodstock International, Inc.  
Attn: Technical Documentation  
Manager

P.O. Box 2309

Bellingham, WA 98227

Email: [manuals@woodstockint.com](mailto:manuals@woodstockint.com)

## Tool Data

Nail Type ..... Roundhead  
Nail Angle ..... 21°  
Nail Diameter ..... 0.113"  
Nail Length ..... 2"-3 1/2"  
Magazine Capacity ..... 75 Nails  
Air Inlet ..... 1/4" NPT  
Weight ..... 8.4 lbs.  
Operating Pressure ..... 80-110 PSI

### WARNING



Read the manual before operation. Become familiar with this nailer, its safety instructions, and its operation before beginning any work. Serious personal injury may result if safety or operational information is not understood or followed.

### CAUTION

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other tools with caution and respect. Failure to do so could result in serious personal injury, damage to equipment or poor work results.

## Compressed Air System

The Model W1781 is designed to be operated at 80-110 PSI using clean, dry, regulated, compressed air. **Do not exceed the 120 PSI maximum operating pressure for your model.**

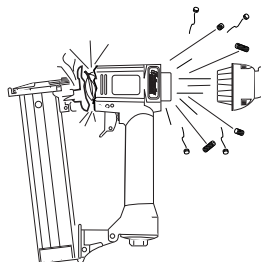
Before using your new nailer, regulate the air pressure to find the optimum setting within the specified operating range. Start by testing the nailer at a low setting, then increase the air pressure as needed for satisfactory results.

An in-line filter/lubricator/regulator unit can be installed as depicted in **Figure 1**.

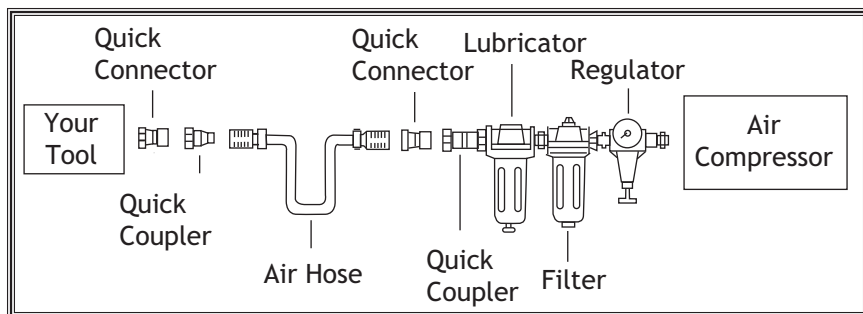
This filter/lubricator/regulator unit will protect your tool from damaging water build-up, allow you to adjust and maintain regulated air pressure to your tool, and save you the inconvenience of having to manually lubricate your tool every time you use it.

If you plan on installing a filter/lubricator/regulator unit in your compressed air system, always follow the connection instructions that come with the unit.

## ⚠ CAUTION



Exceeding the maximum permissible operating pressure may damage the nailer and cause it to malfunction. To protect yourself from personal injury, **DO NOT** allow the air pressure to exceed the recommended pressure for this nailer!



**Figure 1.** Typical filter/lubricator/regulator installation order.

# SETUP

## Unpacking

This tool has been carefully packaged for safe transportation. If you notice the tool has been damaged during shipping, please contact your authorized Shop Fox dealer immediately.

## Inventory

The following is a description of the main components shipped with the Model W1781. Lay the components out to inventory them.

**Note:** If you can't find an item on this list, check the mounting location on the tool or examine the packaging materials carefully. Occasionally we pre-install certain components for safer shipping.

Box Inventory (Figure 2)	Qty		Qty
A. Nailer .....	1	D. Hex Wrenches 3, 4, 5, 6mm ....	1 Each
B. Safety Goggles .....	1	E. Carrying Case .....	1
C. Pneumatic Tool Oil .....	1		

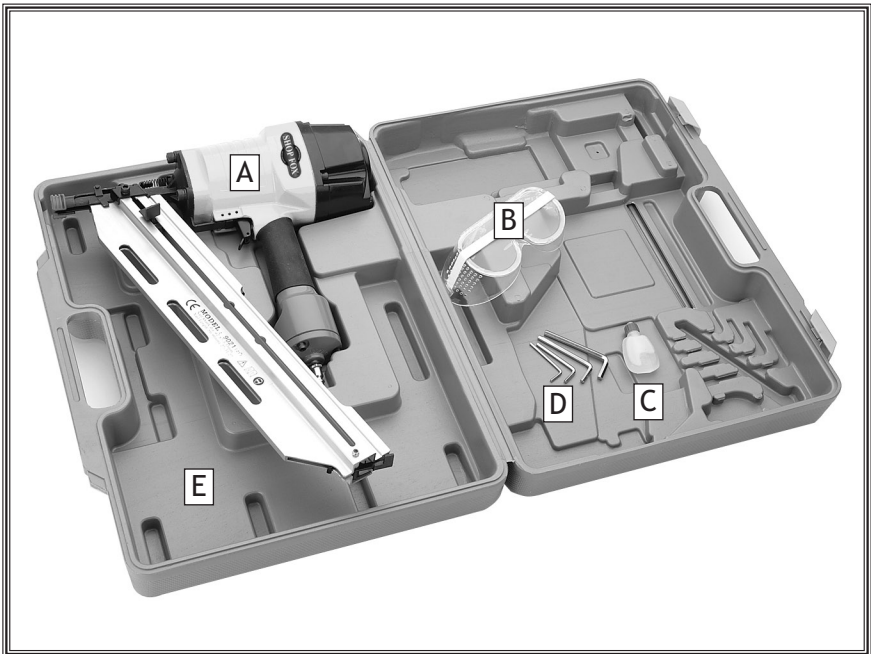


Figure 2. Model W1781 inventory.



## Safety Nose Mechanism

A safety mechanism on the nose of the nailer protects against accidental firing. When the trigger is pressed, the nailer will not fire until the safety nose mechanism is depressed.

Before you use your nailer for the first time, check the safety nose mechanism to ensure proper function.

**To check the safety nose mechanism, do these steps:**

1. DISCONNECT NAILER FROM THE AIR SUPPLY!
2. Make sure the magazine is empty and contains no nails.
3. Make sure the trigger and the safety nose mechanism move up and down without sticking.
4. Connect the nailer to the air supply.
5. **Without pressing the trigger**, depress the safety nose mechanism against a scrap piece of wood that is clean and free of any knots, nails, or other foreign objects.
  - If the nailer **does not fire**, then the safety nose mechanism is working correctly.
  - If the nailer **does fire** when you do this, immediately disconnect the nailer from the air supply and call Technical Support.

- If you find that the safety nose mechanism is not working properly, check the lubrication of its sliding components.
- If the nailer fires when the trigger is pulled, without the safety nose mechanism being depressed, then the nailer is not working properly.

### **WARNING**

Do not attempt to modify or bypass the safety nose mechanism to make the nailer fire without pushing the nose down.

### **WARNING**

The safety mechanism is a mechanical device that can fail. Never rely on this mechanism as an excuse to point the nailer at yourself or any bystanders. Serious injury may occur.

### **WARNING**



Operating this nailer can propel objects into the air, causing immediate eye damage. To protect yourself, always wear ANSI approved safety glasses or goggles when operating this equipment.

# OPERATIONS

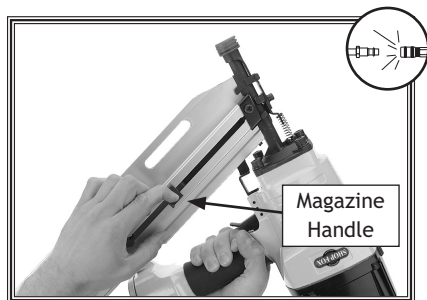
## Loading

When replacing nails in your Model W1781, follow these guidelines:

Type:..... Round Head  
 Angle: ..... 21°  
 Diameter: ..... 0.113"  
 Length: ..... 2"-3 1/2"  
 Capacity: ..... 75 Nails

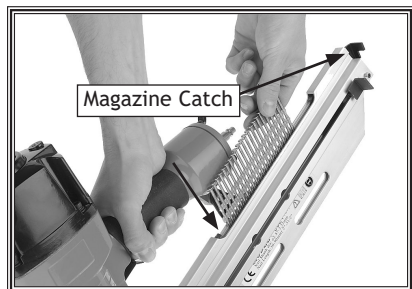
To load your nailer, do these steps:

1. DISCONNECT NAILER FROM THE AIR SUPPLY!
2. Slide the magazine back, as shown in **Figure 3**, until it locks in place.



**Figure 3.** Sliding magazine pusher back and engaging catch lever.

3. Insert a strip of nails, pointed-end down, into the magazine as shown in **Figure 4**.



**Figure 4.** Loading nails into magazine.

4. Slide the nails all the way down to the nose of the nailer.
5. With one hand on the magazine handle for control, release the magazine catch and slowly allow the magazine to press against the nails.

**Note:** *Releasing the magazine catch and allowing it to "snap" in position causes undue wear and can lead to premature failure.*

## Operating

If you have not read the safety instructions in this manual, do not operate the nailer.

Before you operate your nailer, place five to six drops of the included oil into the quick connect fitting where the nailer connects to the air supply, unless using a lubricator unit.

To operate your nailer, do these steps:

1. Connect the air supply to the quick connect fitting.
2. To test for proper nail penetration, hold the nailer perpendicular to the surface of a piece of clean scrap wood that is thick enough for the length of nails you have loaded.

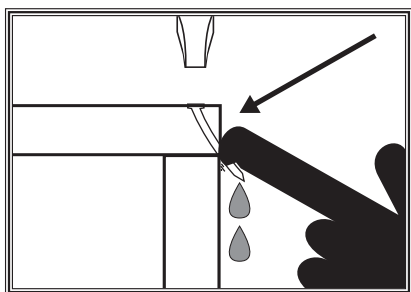
## CAUTION

**DO NOT** place your hands near the nail point of entry. A nail can deflect and tear through the surface of the workpiece, puncturing your hand or fingers.

3. Depress the safety nose mechanism against your workpiece.
4. Before pulling the trigger, make sure your free hand and other body parts are positioned out of the way of a nail in case of deflection.

Deflection is caused when grain irregularities, knots or foreign objects inside the wood cause the nail to change its path, resulting in the nail puncturing the surface of the workpiece, as shown in **Figure 5**.

Besides damaging your workpiece, deflection can cause injury if your free hand is securing the workpiece in the location that the nail deflects.



**Figure 5.** Example of nail deflection.

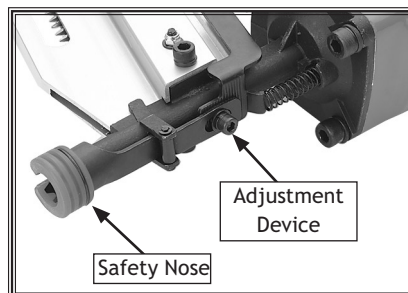
5. Pull the trigger.
  - If the nail drove into the wood far enough, continue with your intended operations.
  - If the nail either went too far or not far enough, then go to the **Adjusting Depth** section on this page.

## Adjusting Depth

A depth adjustment knob is attached to the nose for setting the nail depth.

**To adjust the depth, do these steps:**

1. DISCONNECT NAILER FROM THE AIR SUPPLY!
2. Loosen the cap screw on the depth adjustment device (**Figure 6**), and move the safety nose backward to increase depth or forward to decrease depth.
3. Re-tighten the cap screw.



**Figure 6.** Loosening cap screw for depth adjustment.

4. Connect nailer to the air supply and test the nail depth. Repeat this procedure if necessary until the nail depth is satisfactory.

## Clearing Jammed Nails

A jammed nail must be cleared before using the nailer again.

To clear a jammed nail from the discharge area, do these steps:

1. DISCONNECT NAILER FROM THE AIR SUPPLY!
2. Pull the magazine handle all the way back until it latches.
3. Remove the nail stick from the magazine.
4. Locate the discharge opening in the underside of the nailer nose (Figure 7).
5. Dislodge the jammed nail with a tool that will fit in the slot on the underside of the nose, such as needle nose pliers.
6. Throw the damaged nail away and insert a new nail stick that only contains clean, undamaged nails. DO NOT use dirty or damaged nails!

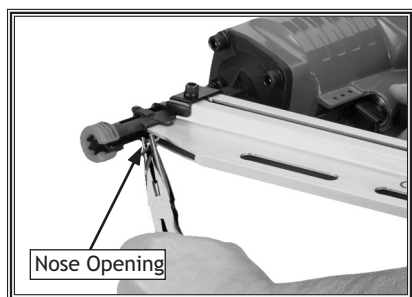


Figure 7. Nose opened to clear a jam.

## Replacing Pistons and O-Rings

Under heavy use, a piston or piston shaft may wear out. Replacement is quick and easy. Contact your authorized Shop Fox dealer to obtain the Piston Repair Kit (part number X1781001).



# WARNING



Always disconnect nailer from air whenever servicing! During maintenance, a nailer connected to air may fire accidentally, causing serious personal injury!

To replace a piston and O-rings, do these steps:

1. DISCONNECT NAILER FROM THE AIR SUPPLY!
2. Remove all nails from the magazine cartridge, and clean the exterior of the nailer.
3. Remove the four cap screws on the head of the nailer, near the exhaust port.
4. Remove the cap.
5. The top of the piston should now be visible inside the cylinder, which is housed in the head of the nailer.

6. Open the nose cover as if to clear a jammed nail.
7. Watch the discharge area and push the top of the piston with your finger. You will see the piston shaft slide down the discharge area.
8. Taking care not to scratch or dent the nailer parts, use a wooden dowel or similarly shaped tool to push the piston shaft back inside the nailer until you can grip the piston head and remove it from the cylinder. Clean and inspect the parts for cracks, wear, or burrs.
9. Place a new O-ring on the new piston and apply a thin film of the nailer lubricating oil on the O-ring.
10. Insert the new piston in the cylinder. Make sure that the grooves on the piston shaft line up with those on the guide at the bottom of the cylinder. The new piston should easily slide into the cylinder. **DO NOT force the piston into the cylinder!** If the piston is not easily inserted, double-check the alignment of the piston shaft with the grooves on the guide.
11. After the piston is inserted correctly, close the magazine. Replace the rear cap assembly and tighten the four cap screws.
12. For more assistance, or to install a complete O-ring set, refer to the appropriate breakdown diagram in the back of this manual for O-ring locations.

# CLEANING & LUBRICATION

## Cleaning

Use a good solvent to clean the nose assembly of the nailer. Always be sure that the nailer is dry before using it again.

Do not allow dust, chips, sand, etc. into the air connectors or into the body of the nailer; this may result in leaks and damage to the nailer and the air couplings.



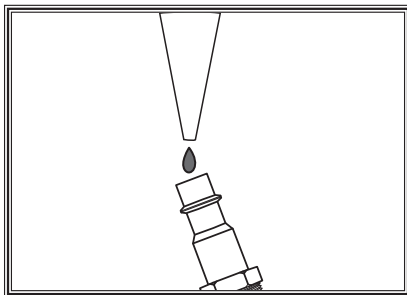
## WARNING



Never clean this tool with gasoline or other flammable liquids. Vapors in the tool may ignite, causing the tool to explode. Ignoring this warning may lead to serious personal injury or even death!

## Lubricating

Standard pneumatic tool oil has been included with your new Shop Fox nailer to help maintain its useful life. Place two to six drops of oil in the nailer air inlet (as shown in **Figure 8**) before every use, or after 2 hours of continuous use.

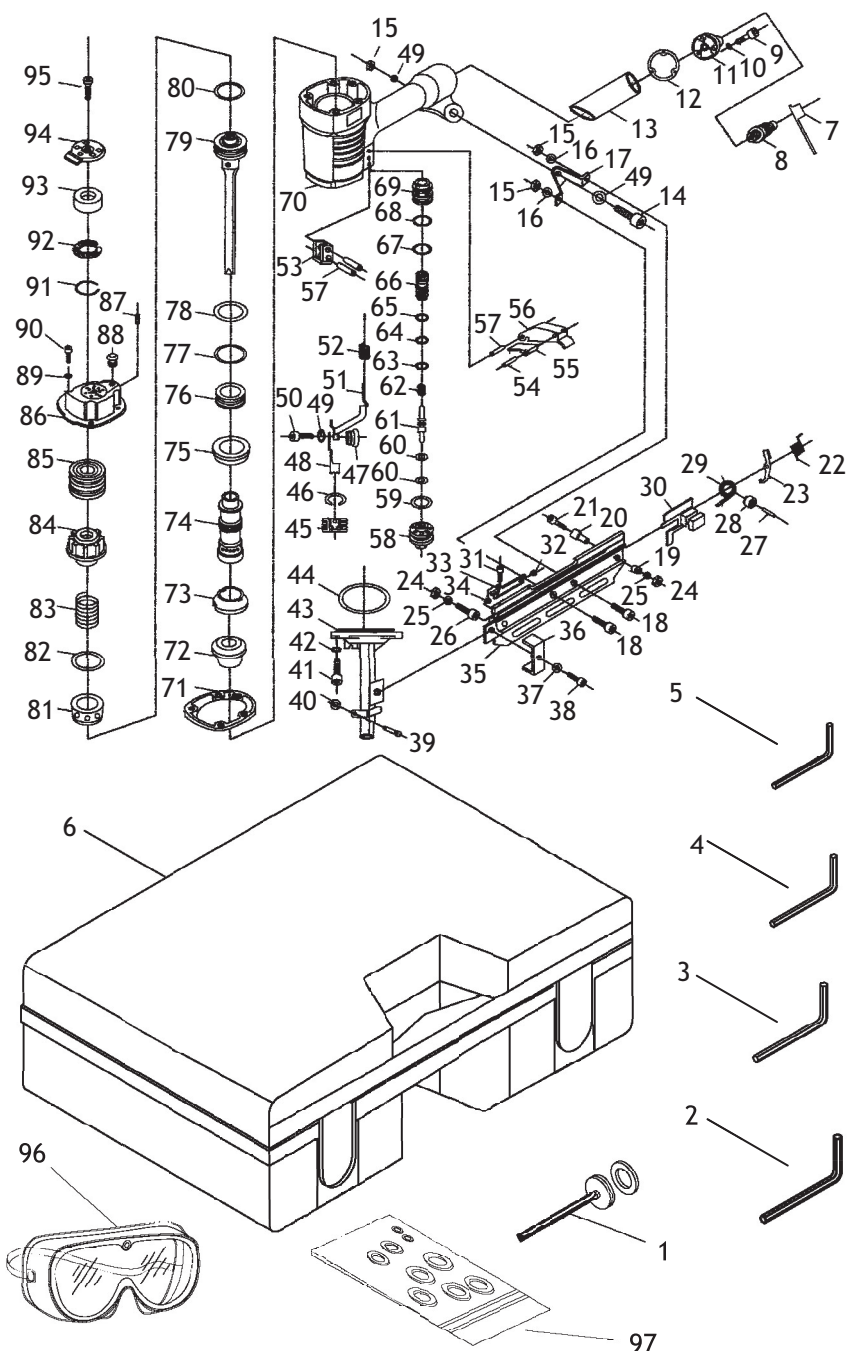


**Figure 8.** Lubricating nailer via air inlet.

Wipe off any excess oil near the nailer exhaust to avoid dust build-up. When the oil that was included with the nailer has been completely used, replace with a quality pneumatic tool oil.

Another option to manual oiling would be to install a lubricator in your air compressor line. If your air compressor line already has a lubricator, then regular lubrication of your nailer will not be necessary. Just make sure there is always oil in the lubricator.

## PARTS BREAKDOWN



# PARTS LIST

REF	PART #	DESCRIPTION
1	X1781001	PISTON REPAIR KIT
2	XPAW06M	HEX WRENCH 6MM
3	XPAW05M	HEX WRENCH 5MM
4	XPAW04M	HEX WRENCH 4MM
5	XPAW03M	HEX WRENCH 3MM
6	X1781006	CARRYING CASE
7	X1781007	AIR PLUG DUST CAP
8	X1775007	AIR PLUG 1/4" NPT MALE
9	XPSB15M	CAP SCREW M5-.8 X 20
10	XPW02M	FLAT WASHER 5MM
11	X1781011	END CAP
12	X1781012	END CAP WASHER
13	X1781013	RUBBER HANDLE CASE
14	XPSB38M	CAP SCREW M5-.8 X 25
15	XPNO6M	HEX NUT M5-.8
16	XPW02M	FLAT WASHER 5MM
17	X1781017	FIXED SEAT
18	XPSB20M	CAP SCREW M5-.8 X 14
19	X1781019	SAFETY PIPE CASE
20	X1781020	SAFETY PIPE
21	X1781021	CAP SCREW M4-.7 X 45
22	X1781022	LATCH SPRING
23	X1781023	RELEASE LATCH
24	XPNO4M	HEX NUT M4-.7
25	XPW05M	FLAT WASHER 4MM
26	XPSB17M	CAP SCREW M4-.7 X 10
27	X1781027	PIN B4 X 25
28	X1781028	SPRING CORE
29	X1781029	TORSION SPRING
30	X1781030	PUSHER
31	XPSB125M	CAP SCREW M3-.5 X 5
32	X1781032	SPACER
33	X1781033	DRIVE NAIL BAR
34	X1781034	WASHER CASE
35	X1781035	MAGAZINE
36	X1781036	PLATE
37	XPW03M	FLAT WASHER 6MM
38	XPSB26M	CAP SCREW M6-1 X 12
39	X1781039	PIN
40	X1781040	E-CLIP 2.5MM
41	XPSB13M	CAP SCREW M8-1.25 X 30
42	XPLW04M	LOCK WASHER 8MM
43	X1781043	DRIVE GUIDE
44	X1781044	O-RING 61.5 X 1.8
45	X1781045	SAFETY NOSE CASE
46	X1781046	COPPER COLLAR
47	X1781047	DEPTH ADJUSTMENT NUT
48	X1781048	SAFETY NOSE
49	XPW02M	FLAT WASHER 5MM

REF	PART #	DESCRIPTION
50	XPSB03M	CAP SCREW M5-.8 X 8
51	X1781051	SAFETY YOKE
52	X1781052	COMPRESSION SPRING
53	X1781053	SAFETY GUIDE
54	XPRP02M	ROLL PIN 3 X 16
55	X1781055	SAFETY SPACER
56	X1781056	TRIGGER
57	XPRP16M	ROLL PIN 3 X 25
58	X1781058	SWITCH SEAT
59	X1781059	O-RING 20.3 X 2.3
60	X1781060	O-RING 2.5 X 1.5
61	X1781061	SWITCH PIPE
62	X1781062	SWITCH SPRING
63	X1781063	O-RING 9 X 1.8
64	X1781064	O-RING 6.4 X 2
65	X1781065	O-RING 6.2 X 1.8
66	X1781066	TRIGGER VALVE GUIDE
67	X1781067	O-RING 17 X 1.5
68	X1781068	O-RING 15 X 2.65
69	X1781069	TRIGGER VALVE SEAT
70	X1781070	GUN BODY
71	X1781071	CYLINDER WASHER
72	X1781072	BUMPER
73	X1781073	BUMPER OUTER LANE
74	X1781074	CYLINDER
75	X1781075	SEALING RING
76	X1781076	FIXED RING
77	X1781077	O-RING 88 X 3
78	X1781078	O-RING 57.5 X 3
79	X1781079	MAIN PISTON
80	X1781080	O-RING 42.3 X 5
81	X1781081	COLLAR
82	X1781082	SPECIAL WASHER
83	X1781083	COMPRESSION SPRING
84	X1781084	SPRING SEAT
85	X1781085	HEAD VALVE PISTON
86	X1781086	CYLINDER COVER
87	X1781087	CAP SCREW M5-.8 X 5
88	X1781088	CYLINDER CORE
89	XPLW03M	LOCK WASHER 6MM
90	XPSB06M	CAP SCREW M6-1 X 25
91	X1781091	SPRING WIRE
92	X1781092	COMPRESSION SPRING
93	X1781093	DEFLECTOR RUBBER
94	X1781094	AIR DEFLECTOR
95	XPSB11M	CAP SCREW M8-1.25 X 16
96	X1781096	SAFETY GLASSES
97	X1781097	COMPLETE O-RING SET



# Troubleshooting

Symptom	Possible Cause	Possible Solution
Air leaking at trigger valve area.	1. O-rings in trigger valve housing are damaged.	1. O-rings must be replaced & operation of safety nose must be checked.
Air leaking between housing and hose	1. Loose screws in housing. 2. Damaged O-ring. 3. Loose air fitting.	1. Reseal and tighten screws. 2. Replace O-ring. 3. Tighten air fitting & use teflon tape.
Air leaking between housing and cap.	1. Damaged seal.	1. Replace damaged seals.
Tool skips nails while discharging.	1. Excessive air pressure. 2. Air leaks. 3. Dirt in nose. 4. Dirt or damage prevents nails from moving freely. 5. Inadequate air flow to tool.  6. Worn piston O-ring or lack of lubrication. 7. Damaged trigger valve O-rings. 8. Worn bumper. 9. Cap seal leaking.	1. Reduce air pressure to tool. 2. Reseal and tighten screws and fittings. 3. Clean nose. 4. Clean magazine and inspect/repair damage. 5. Check fittings, hose, compressor, and air pressure. 6. Replace O-ring and lubricate. 7. Replace trigger valve O-rings. 8. Replace bumper. 9. Replace cap seal.
Tool runs slowly or has a loss of power.	1. Undersized air hose. 2. Nailer is not lubricated. 3. Broken spring in cap assembly. 4. Exhaust port in cap is blocked.	1. Use a larger hose. 2. Lubricate nailer. 3. Replace spring.  4. Clean or replace damaged internal parts.
Fasteners frequently jam the nailer.	1. Nails are the wrong size. 2. Nails are bent or dirty.  3. Magazine or nose screws are loose. 4. Driver or driver guide are worn or damaged. 5. Nails are wrong angle.	1. Use correct nails. 2. Use undamaged, clean nails. 3. Tighten magazine. 4. Replace worn or damaged parts. 5. Use correct angle nails.
Nailer does not fire.	1. Nailer is not lubricated.  2. Nail is jammed in magazine or discharge area. 3. Piston shaft is damaged.  4. Air pressure too low.	1. Follow lubricating instructions. 2. Clear nailer magazine or discharge area. 3. Replace piston shaft. 4. Check/increase air pressure.

# WARRANTY AND RETURNS

Woodstock International, Inc. warrants its pneumatic equipment to be free of defects from workmanship and materials for a period of 1 year from the date of original purchase. The liability under this warranty shall not exceed the purchase price paid for the products and is limited to credit for, or replacement of the defective part.

We do not warrant or represent that the merchandise complies with the provision of any law or acts, and buyer assumes all risk and liability resulting from the use of the goods, whether using singly or in combination with other products.

This warranty does not apply to defects or damages due directly or indirectly from misuse, abuse, negligence, accidents, repairs or alterations, or lack of maintenance of our products. We shall in no event be liable for death or injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our products. This disclaimer applies to both during and after the term of this warranty. Any legal actions brought against Woodstock International, Inc. shall be tried in the State of Washington, County of Whatcom.

Woodstock International, Inc. reserves the right to implement any changes in specifications or discontinue any products without notice.

# Warranty Registration

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone # \_\_\_\_\_ Email \_\_\_\_\_ Invoice # \_\_\_\_\_

Model # \_\_\_\_\_ Serial # \_\_\_\_\_ Dealer Name \_\_\_\_\_ Purchase Date \_\_\_\_\_

*The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. Of course, all information is strictly confidential.*

1. How did you learn about us?

\_\_\_\_\_ Advertisement \_\_\_\_\_ Friend \_\_\_\_\_ Local Store  
\_\_\_\_\_ Mail Order Catalog \_\_\_\_\_ Website \_\_\_\_\_ Other:

2. How long have you been a woodworker/metalworker?

\_\_\_\_\_ 0-2 Years \_\_\_\_\_ 2-8 Years \_\_\_\_\_ 8-20 Years \_\_\_\_\_ 20+ Years

3. How many of your machines or tools are Shop Fox?

\_\_\_\_\_ 0-2 \_\_\_\_\_ 3-5 \_\_\_\_\_ 6-9 \_\_\_\_\_ 10+

4. Do you think your machine represents a good value?

\_\_\_\_\_ Yes \_\_\_\_\_ No

5. Would you recommend Shop Fox products to a friend?

\_\_\_\_\_ Yes \_\_\_\_\_ No

6. What is your age group?

\_\_\_\_\_ 20-29 \_\_\_\_\_ 30-39 \_\_\_\_\_ 40-49  
\_\_\_\_\_ 50-59 \_\_\_\_\_ 60-69 \_\_\_\_\_ 70+

7. What is your annual household income?

\_\_\_\_\_ \$20,000-\$29,000 \_\_\_\_\_ \$30,000-\$39,000 \_\_\_\_\_ \$40,000-\$49,000  
\_\_\_\_\_ \$50,000-\$59,000 \_\_\_\_\_ \$60,000-\$69,000 \_\_\_\_\_ \$70,000+

8. Which of the following magazines do you subscribe to?

_____ Cabinet Maker	_____ Popular Mechanics	_____ Today's Homeowner
_____ Family Handyman	_____ Popular Science	_____ Wood
_____ Hand Loader	_____ Popular Woodworking	_____ Wooden Boat
_____ Handy	_____ Practical Homeowner	_____ Woodshop News
_____ Home Shop Machinist	_____ Precision Shooter	_____ Woodsmith
_____ Journal of Light Cont.	_____ Projects in Metal	_____ Woodwork
_____ Live Steam	_____ RC Modeler	_____ Woodworker West
_____ Model Airplane News	_____ Rifle	_____ Woodworker's Journal
_____ Modeltec	_____ Shop Notes	_____ Other:
_____ Old House Journal	_____ Shotgun News	

9. Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Place  
Stamp  
Here



WOODSTOCK INTERNATIONAL INC.  
P.O. BOX 2309  
BELLINGHAM, WA 98227-2309



FOLD ALONG DOTTED LINE

TAPE ALONG EDGES--PLEASE DO NOT STAPLE